

CLAIMS

1. A portable communication device, comprising:
means for transmitting electromagnetic signals;
means for receiving electromagnetic signals; and
means for adapting the transmitting means and the receiving means to
transmit a radio frequency interrogation signal and to receive a backscatter modulated
reflected signal.
2. The device of claim 1, further comprising means for utilizing the
backscatter modulated reflected signal.
3. The device of claim 2, further comprising an antenna circuit coupled
to the transmitting means, the receiving means, and the adapting means.
4. The device of claim 3, wherein the transmitting means comprises a
radio frequency source, an amplifier, and a modulator, the transmitting means further
comprising a control circuit coupled to the radio frequency source and to the receiving
means.
5. The device of claim 4, wherein the adapting means comprises
means for adapting the modulator to have amplitude modulation capabilities.
6. The device of claim 5, wherein the adapting means comprises
means for adapting the receiver to receive the backscatter modulated reflected signal.
7. An enhanced portable telephone, comprising:
an antenna circuit configured to transmit and receive voice and data
signals;

a receiver circuit coupled to the antenna and configured to receive the voice and data signals;

a transmitter circuit coupled to the antenna circuit and configured to transmit voice and data signals;

means for adapting the transmitter circuit to transmit radio frequency interrogation signals; and

means for adapting the receiver circuit to receive backscatter modulated reflected signals.

8. The enhanced portable telephone of claim 7, further comprising means for utilizing the backscatter modulated reflected signal.

9. The enhanced portable telephone of claim 8, wherein the transmitter circuit comprises a modulator circuit, and wherein the means for adapting the transmitter comprises means for adapting the modulator circuit to have amplitude modulation capability.

10. An enhanced modem, comprising:
means for translating a modulated signal;
means for receiving and demodulating a modulated signal;
means for adapting the transmitting means to transmit a radio frequency interrogation signal; and
means for adapting the receiver to receive backscatter modulated reflected signals responsive to the interrogation signals.

11. The enhanced modem of claim 10, further comprising means for processing the backscatter modulated reflected signal.

12. The enhanced modem of claim 11, wherein the transmitting means comprises a modulator and the means for adapting the transmitting means comprises means for adapting the modulator to have amplitude modulation capabilities for generating the interrogation signal.

13. The enhanced modem of claim 12, wherein the receiving means is coupled to a processing circuit, and the means for adapting the receiving means comprises means for programming the processing circuit to receive and process the backscatter modulated reflected signals.

14. A communication device with parasitic reader, comprising:
a transceiver circuit coupled to an antenna for transmitting and receiving signals, the transceiver circuit including a processing circuit; and
means for adapting the processing circuit to control the transceiver circuit to generate radio frequency interrogation signals and to receive and process backscatter modulated reflected signals responsive to the transmitted interrogation signals.

15. The device of claim 14, wherein the adapting means comprises software programming stored in the processing circuit.

16. An enhanced radio frequency transceiver, comprising:
a radio frequency transceiver circuit coupled to an antenna circuit for transmitting and receiving data signals;
a voice transceiver circuit coupled to the antenna circuit for the transmission of radio frequency interrogation signals and for receiving backscatter modulated reflected signals responsive to the interrogation signals; and
means for adapting the radio frequency transceiver circuit to transmit and receive voice signals and for generating audible sound responsive to the voice signals.

17. The enhanced radio frequency transceiver of claim 16, further comprising means for visually displaying received data signals.

18. An enhanced radio frequency transceiver, comprising:
a radio frequency transceiver circuit coupled to an antenna circuit for transmitting radio frequency interrogation signals and receiving backscatter modulated reflected signals responsive to the interrogation signals; and
means for adapting the radio frequency transceiver circuit to process modulation-demodulation signals.

19. The enhanced radio frequency transceiver of claim 18, wherein the adapting means comprising 802.11-standard communication protocol.

20. A radio frequency identification system combined with existing source, comprising:
a source for generating and transmitting electromagnetic signals;
means for receiving electromagnetic signals;
means for adapting the transmitting means and the receiving means to transmit a radio frequency interrogation signal and to receive a backscatter modulated reflected signal; and
a radio frequency transponder configured to receive the interrogation signal and to reflect the backscatter modulated signal responsive to the interrogation signal.

21. The system of claim 20, further comprising means for processing the backscatter modulated reflected signal.

22. The device of claim 21, further comprising an antenna circuit coupled to the transmitting means, the receiving means, and the adapting means.

23. The system of claim 22, wherein the transmitting means comprises a radio frequency source, an amplifier, and a modulator, the transmitting means further comprising a control circuit coupled to the radio frequency source and to the receiving means.

24. The system of claim 23, wherein the adapting means comprises means for adapting the modulator to have amplitude modulation capabilities.

25. The system of claim 24, wherein the adapting means comprises means for adapting the receiver to receive the backscatter modulated reflected signal.